

Recombinant Human ARHGEF7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARHGEF7-2829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARHGEF7 MS Standard C13 and N15-labeled recombinant protein (NP_663788) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It forms a complex with the small GTP binding protein Rac1 and recruits Rac1 to membrane ruffles and to focal adhesions. Multiple alternatively spliced transcript variants encoding different isoforms have been observed for this gene.
Molecular Mass	87.6 kDa
AA Sequence	MNSAEQTVTWLITLGVLESPKKTISDPEGFLQASLKDGVVLCRLLERLLPGTIEKVYP EPRSESECLSNIREFLRGCGASLRLETFDANDLYQGQNFNKNVLSSLVTLNKVTADIGL GSDSVCARPSSHRIKSFDSLGSQSLHTRTSKLFQGGQYRSLDMTNSNNQLVVRAKF NFQQTNEDELSFSKGDVIHVTRVEEGGWEGTLNGRTGWFPSNYVREVKASEKPV SPKSGTLKSPPKGFDTTAINKSYYNVVLQNILETENEYSKELQTVLSTYLRPLQTSEK LSSANISYLMGNLEEICSFQQMLVQSLEECTKLPEAQQRVGGCFLNLMPQMKTLYLT YCANHPSAVNVLTEHSEELGEFMETKGASSPGILVLTGLSKPFMRDKYPTLLKEL ERHMEDYHTDRQDIQKSMAAFKNLSAQCEVRKRKELELQILTEAIRNWEGDDIKTL

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GNVTYMSQVLIQCAGSEEKNERYLLLFPNVLLMLSASPRMSGFIYQGKLPTTGMTIT
 KLEDSENHRNAFEISGSMIERILVSCNNQQDLQEWVEHLQKQTKVTSVGNPTIKPHS
 VPSHTLPSPVTPSSKHADSKPAPLTPAYHTLPHPSHHGTPHTTINWGPLEPPKTPK
 PWSLSCLRPAPPLRPSAALCYKEDLSKSPKTMKLLPKRKPERKPSDEEFASRKSTA
 ALEEDAQILKVIEAYCTSAKTRQTLNSTWQGTDLMHNHVLADDDQPSLDSLGRSSL
 SRLEPSDLSESDSYDSIWTASRYRMGSTSRKSCCSYISHQNTRTRPLEQKLISEEDL
 AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ARHGEF7 Rho guanine nucleotide exchange factor 7 [Homo sapiens (human)]

Official Symbol ARHGEF7

Synonyms ARHGEF7; Rho guanine nucleotide exchange factor (GEF) 7; rho guanine nucleotide exchange factor 7; BETA PIX; COOL1; DKFZp686C12170; DKFZp761K1021; guanine nucleotide exchange factor 7; KIAA0142; Nbla10314; P50; P50BP; P85; P85COOL1; P85SPR; PAK interacting exchange factor beta; PAK3; PIXB; rho; SH3 domain containing proline rich protein; PAK-interacting exchange factor beta; SH3 domain-containing proline-rich protein; COOL-1; BETA-PIX;

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Gene ID	8874
mRNA Refseq	NM_145735
Protein Refseq	NP_663788
MIM	605477
UniProt ID	Q14155
SDS-PAGE	